Product data sheet
Characteristics

VDIB17726B12
Actassi S-One C6 Connector RJ45 Shielded Cat 6 box x 12

Main

Range name	Actassi
Product type	RJ45 network socket
Type of footprint	S-One
Device presentation	Integrated one piece design
Performance category	6
Compatible LAN cable types	F/UTP S/FTP SF/UTP U/FTP F/FTP
Supported applications	1000BASE-T
Protocols	PoE+ (Power over Ethernet) VoIP (Voice IP)
Material and colour (category colour coded)	Wire organizer: blue (ABS + PC) Connector: silver (zamak)
Colour coding	568 A/B
Quantity per set	Set of 12
Length	35 mm
Width	18 mm
Height	28 mm

Complementary

Frequency range	<= 250 kHz
Protection type	Integrated short circuit barrier Metallic: 360° self adjusting + drain wire contact
Voltage proof	1500 V AC/DC, peak, between contacts and shield 1000 V AC/DC, peak, between contacts
Current rating	<= 1.5 A @25 °C
Insulation resistance	Initial insulation resistance: <= 500 MOhm @100 V DC
Electrical resistance	<= 200 Ohm
Transfer impedance	<= 0.1 Ohm at 1 MHz <= 0.2 Ohm at 10 MHz <= 1.6 Ohm at 80 MHz
Coupling attenuation	>= 85 - 20 x log(f) dB from 100...1000 MHz >= 45 dB from 30...100 MHz
Transverse conversion loss	>= 68 - 20 x log(f) dB from 1 kHz...250 MHz >= 50 dB
Contact pins	8 pins in copper alloy and gold plated (IEC 60603-7)
Durability	>= 750 cycles
IDC wire diameter	AWG22...AWG25
Insulation diameter (wire)	0.9...1.4 mm
Pulling force	50 N during 60 s
Applicable standards	IEC 60603-7-5 ISO/IEC 11801 Ed2.1 ANSI/TIA-568-C.2 ISO/IEC 11801:2011 Ed.2.2

Environment

Operational temperature range	-40...70 °C
Environmental characteristic	PEP (Energy depletion) REACH
Climatic category	40/070/21 (21 days)

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